

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Norwalk Substation**

**Date:** April 12, 2006

**Inspector:** Lee Curtis

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event:** Approximately 0.57" of precipitation was recorded over 4/7-4/8 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads and Adjacent Roadways	- The catch basin near the Route 7 ramp receives a lot of off-site stormwater, and erosion and sedimentation of roadway sand is occurring here. 12/22-4/12/06.	-The area should no longer be affected by any onsite sediment. The access road is paved and the swale is vegetated. The silt fence could be removed. 12/1-4/12/06.	-N/A.
Foundation construction	- Some work continues within the live yard. 3/15-4/12/06.	- None at this time. Work did not involve excavation. 4/12/06.	-N/A.
Erosion and Sediment Controls	- Sediment accumulation continues in the stone onsite at one of the access gates. This is a result of offsite stormwater and roadway sand 1/4-4/12/06.  - Some sedimentation was noted at the top of the perimeter swale near the Rt. 7 ramp. 3/2-4/12/06.	-None at this time. 4/12/06. - Monitor stormwater flow and drainage patterns when possible. Watch for any erosive flows off site. This is not a result of any work related issues. 1/4-4/12/06. - This remains contained to the site and appears to be related to the roadway 3/2-4/12/06.	-N/A  -N/A at this time
Inland Wetland and Watercourse encroachment and mitigation	- The overflow channel and natural overflow area were not flowing at the time of inspection. 4/6-4/12/06. - The minor erosion noted	- None at this time but consider re-vegetating during the growing season. 4/12/06. - Vegetation within the channel is growing well.	-N/A until evaluated during the growing season.

Areas of Inspection	Observation	Recommended Action	Corrected Action
	along the top of slope at the overflow channels does not appear to be worsening. 4/12/06.		
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A.
Vegetative clearing limits (including trees to save or danger trees noted)	-No additional clearing is needed at this time. 4/12/06.	- None at this time. 4/12/06.	-N/A.
Dewatering	-Dewatering was not observed during this inspection. 4/12/06.	-None at this time. 4/12/06.	-N/A.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were observed at the time of inspection. 4/12/06.	In general: - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	
		- Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day due to the sensitivity of the area.	-N/A at this time
Additional Observations	-The general site clean up is mostly complete. Significant portions of materials and debris have been removed from site.	-None at this time. 3/8-4/12/06.	-N/A

## Plumtree Substation

**Date:** April 12, 2006

**Inspector:** Diana Walden

**Location:** Plumtree Substation Expansion, Bethel

**Storm/**

**Rain Event:** Approximately 0.57" of precipitation was recorded over 4/7-4/8 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrected Action
Access Roads	- Work has returned to the substation so the drive is again in use for this equipment. 3/15-4/12/06.	- None at this time. 4/12/06.	-N/A.
Foundation construction	-Work continues within the substation yard with some foundation work and caisson drilling. 3/15-4/12/06.	- Remain aware of the perimeter of the yard and the workspace and the fact the area is surrounded by wetlands. See erosion control section. 3/15-4/12/06.	-N/A at this time.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<p>-The majority of the stockpiles remain on site with haybales placed at the base. 4/12/06.</p> <p>- The haybale basin installed to hold drill cuttings was partially dismantled. See dewatering section as well. 4/12/06.</p> <p>-Continue to watch this corner of the yard for further erosion control needs. 4/12/06</p>	<p>-Continue to monitor that the controls are effective. Extend haybales if necessary. 3/31/06-4/12/06.</p> <p>-Remove any remaining sediment and haybales from the area when feasible. 4/12/06.</p> <p>- None at this time. Continue to monitor for any further escaped sediment. 4/12/06</p>	<p>- N/A at this time.</p> <p>-N/A</p>
Inland Wetland and Watercourse	- Wetlands are located around the outskirts of the substation yard.	-None at this time. 4/12/06.	N/A.

Areas of Inspection	Observation	Recommended Action	Corrected Action
encroachment and mitigation			
State species of concern, threatened and endangered species	- Crews on site at this time will have to remain aware of the fact the weather is warming and the wood turtle could return to the site in the spring. 3/15-4/12/06	- Move machinery carefully and perform daily walkdowns of the site each morning now that the weather is warmer. 4/6-4/12/06.	-Daily walkdowns should be occurring at this point.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A	-N/A
Dewatering	- Dewatering/removal of stone dust and drill cuttings from the foundation holes is sent to the stone yard on site. 3/31-4/12/06.	- Sediment is building up in the stone yard but is contained. Clean and/or remove excess sediment when completed. 3/31-4/12/06.	
Blasting	- No blasting is occurring on site at this time.	- None at this time.	-N/A
Spills and Material Storage	- No spills or leaks were noted. Now that machinery has returned, continue to monitor. 4/12/06	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.	-N/A
Additional Observations			

**Next likely scheduled inspection:**

Thursday, April 20, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the

best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden



**Norwalk Substation:** Both photos show views of the general site condition of the yard near the GIS building. Most materials have been cleaned up and removed. 4/12/06.



**Plumtree Substation:** Photo on the left shows work continuing within the substation yard with some foundation work and caisson drilling. Photo on the right shows a stockpile placed along the perimeter fence. Haybales have been placed at the base of the pile, along the perimeter fence. 4/12/06.